1024-37-44   **Todd Fisher*** (`tfisher@math.umd.edu`), Department of Mathematics, Mathematics Building, University of Maryland, College Park, MD 20742-4015. *The topology of hyperbolic attractors on surfaces.*

Suppose M is a surface and $\Lambda \subset M$ is a nontrivial mixing hyperbolic attractor for some diffeomorphism f of M. We show that if Λ is a hyperbolic set for some diffeomorphism g of M, then Λ is either a nontrivial mixing hyperbolic attractor or repeller for g. (Received December 12, 2006)